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Executive Committee

BARBARA CAPLAN/*Secretary*

DAVID THOMAS/*Assistant Secretary*

CITY OF TORONTO

City Hall, Toronto, Ontario, Canada M5H 2N2 / 367-7031

December 14, 1982.

NOTICE OF PUBLIC MEETING

CHEMICAL SPILLS - JUNCTION TRIANGLE

At 11:00 a.m. on WEDNESDAY, JANUARY 19, 1983, in Committee Room No. 4, City Hall, the Toronto Executive Committee will consider the attached report of the Mayor's Action Task Force on Chemical Spills in the Junction Triangle.

Interested persons, groups and organizations are invited to attend this meeting and present their views and are respectfully requested to notify the City Clerk's Department (367-7031) by 4:30 p.m. on January 18, 1983, if they wish to make representations on this matter.

Written submissions are also invited and should be addressed to the Secretary, Toronto Executive Committee, City Clerk's Department, City Hall, Toronto, Ontario, M5H 2N2.

B Caplan

Secretary

DET:bb
Attach.

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The City of Toronto
Arthur C. Eggleton
Mayor

TO: CITY OF TORONTO EXECUTIVE COMMITTEE

FROM: MAYOR ART EGGLETON

DATE: DECEMBER 7, 1982

RE: ACTION TASK FORCE ON CHEMICAL SPILLS AND AIR EMISSIONS IN THE JUNCTION TRIANGLE (c07exec82664:4)

On July 8, 1982, Council agreed with my recommendation that an action task force be established to assist me in the prevention of spills into the City's sewer system in the Junction Triangle. Since then the task force has met seven times, including a public meeting in the Junction Triangle area at Perth Avenue Public School. I am now reporting on the progress that has been made by the Task Force and my recommendations for further action.

The purpose of the Task Force was to develop procedures to deal effectively with emergency situations and to implement necessary measures to ensure to the greatest degree possible that chemical spills and emissions into the atmosphere would not occur. Although my initial recommendations limited the responsibility of the Task Force to chemical spills, it was immediately evident shortly after the Task Force became active that consideration should also be given to the problem of air emissions.

The role of the various agencies involved has been thoroughly reviewed and an Alert Plan (see Schedule A) has been developed and put into operation. This Plan ensures co-ordination between all agencies and a prompt efficient response to chemical spills and air emissions. It provides for notification to the Medical Officer of Health and includes procedures for the evacuation of schools. The Alert Plan is to be distributed throughout the Junction Triangle area in Italian, Portuguese, Greek and English. Further study of a broader application of the Alert Plan on a City and Metro wide basis should also be undertaken. I would recommend that the Commissioner of Public Works consult with the appropriate City and Metro officials and report back his findings to City Council.

The operation of the major chemical users in the Junction Triangle has been completely reviewed, particularly in regard to the requirements of the Ministry of the Environment and other applicable provincial legislation. The Task Force has established that:

1. All companies have contingency plans in place to handle chemical spills and emissions, and that

2. Lists of all chemicals in use have been deposited with the Ministry of Labour and the Ministry of the Environment.

Two companies, Anchor Cap and Canadian General Electric did provide the Task Force with a list of all the chemicals used in their plants. The other four Glidden, Inmont, Nacan, and Viceroy failed to do so, largely, for competitive reasons. It is likely that these companies would provide us with this information if the Public Health Department were to have a confidentiality clause in their Act. The Task Force recommends that this matter be referred to the Medical Officer of Health for a further report.

On the basis of engineering studies undertaken by the Ministry of the Environment, control programmes have been prepared and are now being implemented by these industries. Details of the work and current status of the programmes are attached (see Schedule B).

Of the six companies involved, Anchor Cap has complied with the decision of the Environmental Appeal Board to construct two tall stacks; emission testing of these stacks has been completed. Canadian General Electric and Viceroy have completed the major required pollution control measures and are engaged in carrying out the completion of all items at the end of this year. The outstanding works for Nacan and Inmont are to be covered by program approvals under Sections 9 and 10 of the Environmental Protection Act. The outstanding items for Glidden will be covered by a control order issued under Sections 113 and 116 of the Environmental Protection Act. The Ministry has announced that public meetings will be held shortly in the neighbourhood to seek public input to the three draft documents before their finalization and issuance to the companies.

The Task Force has reviewed the adequacy of fines that can be levied for the dumping of hazardous waste and hauled liquid industrial waste. The maximum fines now stand at $25,000. for the first occurrence and $50,000. for the second occurrence and can be applied on a daily basis. The Task Force considers that the amounts of these fines are adequate to act as a deterrent against the indiscriminate and unlawful dumping of hazardous waste into the sewer system.

As a result of recommendations made by the Task Force, the air sampling station located at the Perth Avenue School has been equipped to measure hydrocarbons and prevailing wind conditions. This will provide background measurements of the environment for determination of any changes in the hydrocarbon content of the atmosphere.

During the deliberations of the Task Force the Metropolitan Toronto Department of Works undertook samplings of the discharges into the sewer system from the industries in the Junction Triangle. On the basis of these findings they found nothing to support the allegation that rampant dumping of liquid industrial waste and hazardous waste into the sewer system is occurring.

The Task Force has given consideration to and is recommending the formation of an Environmental Liaison Committee comprised of representatives from the community, the industries and various governmental agencies. The industries have indicated their willingness to participate in such a committee (see Schedule C - letter of July 19, 1982). Formal request should now be made to the community associations - Citizens Watchdog Committee against Pollution in the Junction Triangle and the Junction Triangle Anti-Pollution Group - to indicate their willingness to participate in this committee. This committee will be able to continue on with the work of the Action Task Force. I would recommend that the Commissioner of Planning and Development report back on the details regarding the composition, chairmanship, accountability and reporting procedures for this committee.

I am also recommending that a health status study be undertaken at the earliest possible date in the Junction Triangle area. This study would have, as its main aim, to establish whether or not the community is experiencing any adverse health effects from the environment of the area. A feasibility study, preliminary to the main study, is under consideration for commencement this year.

In conclusion, my Task Force has completed its mandate and I am confident that the procedures put into effect will ensure a better environment in the Junction Triangle area. I must point out however, that what we have put in place will not eliminate all odours - no one can guarantee an odour free environment. The community will still experience, albeit to a lesser degree, both industry-related and community-related odours.

I am also pleased to note that the industries have been quite co-operative with my Task Force and from their willingness to participate in the Environmental Liaison Committee, I expect such co-operation will continue.

RECOMMENDATIONS:

1. Council approve of the Alert Plan that has been put into place by the Task Force and that Council request the Commissioner of Public Works to report on the application of the Alert Plan on a City and Metro wide basis.

2. Council request the Medical Officer of Health to report on the inclusion of a confidentiality clause in their Act, and any other actions that would facilitate the release of information pertaining to the use of chemicals in the Junction Triangle.

3. Council approve, in principle, of the formation of an Environmental Liaison Committee in the Junction Triangle and that Council request the Citizens Watchdog Committee Against Pollution in the Junction Triangle, the Junction Triangle Anti-Pollution group and the Northwest Toronto Industrial Co-ordinating Committee to participate in this Committee, and that the Commissioner of Planning and Development report on the details regarding composition, chairmanship, accountability, and reporting procedures for this committee.

4. Council approve the undertaking of a feasibility study with respect to an overall health status study in the Junction Triangle area and that funds in the amount of $5,000. be authorized for that purpose.

SCHEDULE A

ACTION TASK FORCE ON CHEMICAL SPILLS

IN THE JUNCTION TRIANGLE

JUNCTION TRIANGLE ALERT PLAN

Preamble:

The proposed plan is to apply to the investigation of air emissions and chemical spills occurring in the Junction Triangle area of the City.

This plan is not intended to supersede the Province of Ontario Contingency Plan for spills of oil and other hazardous material, nor the response procedures of the City of Toronto Fire Department to fuel spills caused by vehicle accidents.

The plan is based on the premise that the City of Toronto Fire Department, due to its response capabilities, will be the first agency on the scene of an emission and/or spill.

The Fire Department, based on its intitial findings at the site of the occurrence, will be responsible to notify other agencies. The Fire Department will be required to determine if an air emission or a spill or a combination thereof has occurred. The Fire Department will be provided with a list of the telephone numbers for the contact personnel of all governmental agencies. The agencies will be notified on the basis of the type of occurrence involved as laid out in the Alert Plan.

All agencies not attending the site of a given occurrence will be notified of same by the Fire Department within 24 hours of each occurrence.

The procedures prescribed under this plan will not relieve the industries of their responsibility under the Environmental Protection Act to notify the Ministry of the Environment of an air emission or chemical spill and the Ministry of Labour under the occupational Health and Safety Act.

It is intended that all agencies involved in any occurrence will circulate their reports to ensure that complete coverage of information is available.

SCHEDULE A

JUNCTION TRIANGLE ALERT PLAN

1. Any municipal department or either of the Ministries of the Environment or Labour will, on receipt of the notification of an airborne odour or a chemical spill, immediately inform the Fire Department, telephone 363-2133.

2. The Fire Department will, on receipt of notification of an airborne odour or chemical spill, contact the Ministry of the Environment, telephone 424-3000 (24-hour number) and take immediate action to respond to the call. Police are automatically notified on calls received through the '911' Emergency Number, otherwise they are to be notified by the Fire Department.

3. The Ministry of the Environment being notified of an airborne odour or chemical spill will take immediate action to respond to the incident.

4. The Fire Department, on the basis of the on-scene report, should the sewer system be involved, will contact the Metropolitan Toronto Department of Works, telephone 367-8211 (24-hour number), and the City of Toronto Department of Public Works, telephone 367-7737 (24-hour number). The City of Toronto Department of Buildings and Inspections are to be contacted should chemical storage facilities be involved. If a perceived threat to health is present, the Fire Department will also notify the Medical Officer of Health (367-9111).

5. The Fire Department, should an on-scene report establish a chemical spill has occurred that is contained or partly contained within a building, will contact the Ministry of Labour, telephone 273-7800 daytime or 965-1211 after hours, weekends and holidays.

6. If a threat to health is present, the Medical Officer of Health will notify the City of Toronto Board of Education (Mr. Ronald W. Halford, Associate Director of Education - Operations at 598-4931) and the Metropolitan Separate School Board (Mr. Bernard Farley, Assistant Director of Education at 921-2212 and 921-7086), who have a plan of action at the school level to deal with the evacuation and care of school children.

7. The Fire Department will advise the Mayor's Office of the occurrence and action being taken. The Fire Department will advise the City Department of Buildings and Inspections, the Medical Officer of Health, and the Planning and Development Department of the occurrence and action taken.

8. Industry officials to be contacted by Police Department as necessary.

NOTE:

Contact numbers for all governmental agencies are filed with the Fire Department.

SCHEDULE B

Status of Abatement: Glidden Company

A. Sewer Discharges:
- Interceptor capacity has been enlarged.
- Sampling manhole installed.
- Instrumentation for manhole is now being reconsidered by company (reference to Metro Works)
- Dry locks for raw material transfer hoses are under consideration.

B. Air Emissions:
- All requirements have been documented in a formal Section 126 survey report, submitted to the company on September 23, 1982. Discussion of Report by Ministry & Company late October. Report revised and notice of Control Order drafted. Public meeting to be held in neighbourhood to discuss requirement of Control Order before finalization and issuance to company.

Status of Abatement: Nacan Products Limited

A. Sewer Discharges:

- Interceptor capacity has been enlarged.
- Seal for yard drain has been provided.
- High level alarms on two process tanks have been installed.
- Dry locks on transfer hoses are installed.

B. Air Emissions:

- Fugitive emission control will be installed within six months of approval (est. June 1983).
- Reactor over-pressure will be controlled using (automated) chemical means.
- Data on emissions from underground tanks and on reactor condensers has been examined and found acceptable.
- Underground tanks have been pressure tested and found satisfactory (report on hand).
- Draft Program approval document prepared for outstanding works to be discussed at a public meeting to be held in the near future in the neighbourhood before finalization and issuance to the company. All works to be completed by the end of 1983.

Status of Abatement: Inmont Canada Limited

A. Sewer Discharges:

- Floor and yard drains have been provided with seals.
- An Order has been placed by company with the City for sampling manhole. Installation is complete.
- Contingency plan has been submitted to MOE for comment.
- Empty tank is made available for emergency reactor 'dump'.
- A company consultant is to submit a report on Sewer Discharges and Control Requirements by January 3, 1983, and finalize selection of control methods by April 30, 1983. Installation of equipment to be completed by September 30, 1983.

B. Air Emissions:

- Control of fugitive emissions will be installed:
- a) Resin Building - September 30, 1983
- b) Paint Building - December 31, 1983.
- Reactor overpressure tank will be installed (drawing submitted to MOE) by February 28, 1983.
- Material and heat balance on reactor condensers will be provided by January 31, 1983.
- Unloading of bulk tanks has been witnessed and no significant odours detected.
- Draft Program Approval document prepared for discussions at a public meeting in the neighbourhood prior to finalization. All works to be completed by the end of 1983.

Status of Abatement: Anchor Cap & Closure Corp., of Can. Ltd.

A. Sewer Discharges:
- No significant sewer discharges are involved (i.e. no processing takes place).
- Yard dyking has been completed.

B. Air Emissions:
- Two 100-foot stacks (one for process and one for fugitive emissions) has been completed on September 14, 1982. Mobile ambient air monitoring has been carried out in August 1982 prior to stack installation.
- A repeat of monitoring was completed on October 1, 1982.
- In-stack testing completed on November 30, 1982. A report of stack test and monitoring results to be prepared for review for compliance with Ministry's standards.

Status of Abatement: Canadian General Electric

A. Sewer Discharges:

- Interceptor has been installed and has been in use since August, 1982.
- Interceptor operation including instrumentation, is to be resolved with Metro Works.
- Contingency spill manual has been requested.
- A holding tank is available at all times to receive reactor contents in the event of misprocessing.

B. Air Emissions:

- There are no identified odours of concern (no action required at present).

Status of Abatement: Viceroy Manufacturing

A. Sewer Discharges:
- Sewer layout drawings have been submitted to Metro Works for study. Process waste are being hauled away.
- Paint and solvent shops are dyked.
- Contingency spill procedure is in place.

B. Air Emissions:
- There are no identified odours of concern (no action required at present).

DB/rl/IA-1-N

SCHEDULE C

JUL 19 1982

Nacan
STARCHES · ADHESIVES · RESINS

NACAN PRODUCTS LIMITED

371 WALLACE AVE
TORONTO, ONTARIO M6P 3P1
(416) 531-2463

July 19, 1982

Alderman J. J. Piccininni
Chairman North West Toronto
Industrial Coordinating Committee
City Hall
Toronto, Ontario
M5H 2N2

Dear Alderman Piccininni:

This letter is to report to you the results of a meeting held on July 9 by a group representing local manufacturing companies, all of which are members of the North West Toronto Industrial Coordinating Committee. The meeting was held to determine whether it would be possible to develop some improved means of exchanging information, on a cooperative basis, with local community representatives, about environmental matters.

In attendance, meeting as a subcommittee of the NWTICC, were:

W. D. Berry	Canadian General Electric
W. Bryce	I.T.T. Grinnell
C. A. Huff	Inmont
W. Rays	Viceroy Rubber
A. Roos	Glidden Company
J. M. Shepherd	Nacan Products
D. Young	Canadian General Electric

The consensus of this subcommittee was that an "Environment Liaison Committee" should be set up, to consist of local residents, members of the NWTICC, and representatives of provincial and city regulatory agencies. The purpose of the ELC would be fourfold:

1. To receive information on environmental complaints and investigations.
2. To communicate technical data on monitoring measurements, health hazard limits, environmental standards, odour thresholds, etc.
3. To review progress on control and abatement measures taken or planned by firms in the area.
4. To agree on recommendations for action.

.../2

"Our Service engineers are available to help purchasers obtain best results from our products, and recommendations are based on tests and information believed to be reliable. However, since we have no control over the conditions under which our products are transported to, stored, handled, or used by, purchasers, all recommendations and sales are made on condition that we will not be held liable for any damages resulting from their use. No representative of ours has any authority to waive or change this provision."

The subcommittee suggested that the following factors be considered in establishing an ELC.

a) For maximum effectiveness, the ELC should be kept small - a maximum of 10 to 12 people.

b) Cooperative, rather than adversarial objectives should be stressed.

c) Local residents should choose their own representatives, but perhaps the services of the local Planning Office could be utilized to assist in this.

d) One or two members of the "Mayor's Task Force" should be members of the ELC. Mr. B. Singh, Manager of the Abatement Section of the Ministry of the Environment is chairman of a similar committee in another part of the city, and would be willing to serve on this committee.

e) The NWTICC representatives should perhaps to rotated in some manner, in order to keep the size of the ELC within the limits established.

f) Evening meetings should be held, perhaps every two months, in a local school or community centre, with the chairmanship rotated perhaps every six months.

g) Although ELC meetings would not be opened to the public or to the media, minutes of these meetings could perhaps be distributed, and members could be expected to communicate freely to the media or to the community.

If you feel that an Environmental Liaison Committee could be useful and should be set up, the members of your subcommittee would be pleased to assist you in any way possible in its establishment.

Yours very truly,

NACAN PRODUCTS LIMITED

J. M. Shepherd

John M. Shepherd
Vice President

JMS:kg

cc: W. D. Berry
W. Bryce
C. A. Huff
W. Rays
A. Roos
D. Young

SCHEDULE D

The City of Toronto, Office of the Mayor

ACTION TASK FORCE ON CHEMICAL SPILLS IN JUNCTION TRIANGLE

MAYOR ART EGGLETON

IMANTS PURVS
Special Asst. to the Mayor

ALDERMAN W. BOYTCHUK

ALDERMAN D. WHITE

ALDERMAN J. PICCININNI

MR. D. DOHERTY
Public Works Dept.

MR. W. SPROULE
Fire Dept.

MR. B. BONSER, CHIEF
Fire Department

MR. R. BONNER
Buildings & Inspections
Dept.

MR. J. RUANE
B & I Dept.

MS. BEATE BOWRON
Planning & Development
Dept.

MR. F. HORGAN
Metro Commissioner
of Works

MR. E. BALDOCK
Metro Works Dept.

DR. A.S. MACPHERSON
Medical Officer of Health

MR. D. BATTY
Public Works Dept.

MR. N. MCHUGH
Planning & Development
Dept.

MR. G. MIERZYNSKI, DIRECTOR
Central Region Ministry of
The Environment

MR. B. SINGH, MANAGER
Industrial Abatement,
Ministry of the Environment

MS. PAT COURSEY, AREA ADMINISTRATOR
Ministry of Labour

DR. BHOO AGARWAL,
Local Board of Health

JIM FLAHERTY
Western Health Area